NAME OF THE WORK :- CONSTRUCTION OF LADIES TOILETS IN GOVERNMENT SCHOOL IN MALLASANDRA IN WARD NO 13 SHATTYHALLI SUB DIVISION

JOB Code:- 013-19-000035 Detailed Estimate Est Cost 25.00 Lakhs

Sl No	SPECIFICATION	Unit	No	L	B	D	Quantity	Rate	Amount
1	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (PWD,SZB,SR,2018-19. Pg No-140, I. No-18.47)								
		Cum	1	8.00	8.00	0.25	16.00		
				45.27		88.1			
	Basic Rate	899.00					16.00	970.92	15535.00
	Add A W 8%	71.92				88.1			
	TOTAL	**970.92**				969.1			
2	KSRB 2-2.2 : **Earthwork excavation for foundation** of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in **hard soil** not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. (PWD SR 2018-19 P.No: 6, I.No.: 2.4)								
	Footing F1		10	1.25	1.25	1.25	19.53		
	Ladies Toilet all round		1	23.20	0.60	0.90	12.53		
	Gentoilet all round		1	15.20	0.60	0.90	8.21		
	PW-1		1	7.35	0.60	0.60	2.65		
	PW-2		1	5.20	0.60	0.60	1.87		
	Deductions Footings		-10	1.25	0.60	0.75	-5.63		
		Cum					**39.16**	484.92	**18990.00**
	Basic Rate	449.00							
	Add A W 8%	35.92							
	TOTAL	**484.92**							
3	KSRB 4-1.3 : Providing and laying in **position plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (PWD,SZB,SR,2018-19. Pg No -13, I. No-4.3)								
	Footing F1		10	1.25	1.25	0.10	1.56		
	Ladies Toilet all round		1	23.20	0.60	0.10	1.39		
	Gentoilet all round		1	15.20	0.60	0.10	0.91		
	PW-1		1	7.35	0.60	0.10	0.44		
	PW-2		1	5.20	0.60	0.10	0.31		
	PW-3		9	1.45	0.60	0.10	0.78		
	Floor area		1	8.50	7.50	0.10	6.38		
	Deductions Footings		-10	1.25	0.60	0.10	-0.75		

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S.No	SPECIFICATION	Unit	No	L	B	D	Quantity	Rate	Amount
		Cum							
	Basic Rate	5102.00					11.03	5510.16	60764.00
	Add A W 8%	408.16			1.74		6442		
	TOTAL	**5510.16**			20.23		644.2		
							644.2		
							7086.2		
3	KSRB 5.2-3 : Providing and constructing granite / trap / basalt **size stone masonry in foundation** with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (PWD SR 2018-19 P.No: 25, I.No.: 5.6)								
	Ladies Toilet all round	Cum	1	23.20	0.60	0.45	6.26		
	Gentoilet all round		1	15.20	0.60	0.45	4.10		
	PW-1		1	7.35	0.60	0.45	1.98		
	PW-2		1	5.20	0.60	0.45	1.40		
							13.76	4963.68	**68283.00**
	Basic Rate	4596.00							
	Add A W 8%	367.68							
	TOTAL	**4963.68**							
4	KSRB 5.3-3 : Providing and constructing granite / trap / basalt **size stone masonry in basement** with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (PWD SR 2018-19 P.No: 25, I.No.: 5.9)								
	Ladies Toilet all round	Cum	1	23.20	0.45	0.45	4.70		
	Gentoilet all round		1	15.20	0.45	0.45	3.08		
	PW-1		1	7.35	0.45	0.45	1.49		
	PW-2		1	5.20	0.45	0.45	1.05		
	PW-3		9	1.45	0.45	0.45	2.64		
							12.96	5921.64	**76744.00**
	Basic Rate	5483.00							
	Add A W 8%	438.64							
	TOTAL	**5921.64**							
4	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (PW,P& IWTD SR 2018-19, Pg No 14, Item No. 4.10)								
	Footing F1		10	1.25	1.25	0.30	4.69		
	Columns -C1		10	0.30	0.20	4.95	2.97		
	Plinth								
	Ladies Toilet all round		1	23.20	0.20	0.23	1.07		
	Gentoilet all round		1	15.20	0.20	0.23	0.70		

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Sl No	SPECIFICATION	Unit	No	L	B	D	Quantity	Rate	Amount
	PW-1		2	3.25	0.20	0.23	0.30		
	PW-2		1	7.35	0.20	0.23	0.34		
	PW-3		1	5.20	0.20	0.23	0.24		
	Lintel		9	1.45	0.20	0.23	0.60		
	Ladies Toilet all round		1	23.20	0.20	0.10	0.46		
	Gentoilet all round		1	15.20	0.20	0.10	0.30		
	Roof Beam								
	Ladies Toilet all round		1	23.20	0.15	0.23	0.77		
			2	3.25	0.15	0.23	0.22		
	Roof slab ladies toilet		1	7.75	3.50	0.12	3.26		
	Gents toilet		1	5.60	4.00	0.12	2.69		
		Cum					18.60	6276.96	116746.00
	Basic Rate	5812.00							
	Add A W 8%	464.96							
	TOTAL	**6276.96**							
5	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (PWD,SZB,SR,2018-19. Pg No -14, I. No-4.31)								
	Plinth								
	Ladies Toilet all round	2	1	23.20		0.23	10.67		
	Gentoilet all round	2	1	15.20		0.23	6.99		
		2	2	3.25		0.23	2.99		
	Lintel								
	Ladies Toilet all round	2	1	23.20		0.10	4.64		
	Gentoilet all round	2	1	15.20		0.10	3.04		
	Roof Beam								
	Ladies Toilet all round	2	1	23.20		0.23	10.67		
	Gentoilet all round	2	1	15.20		0.23	6.99		
		2	2	3.25		0.12	1.56		
							47.56	386.64	18388.00
		Sqm							
	Basic Rate	358.00							
	Add A W 8%	28.64							
	TOTAL	**386.64**							
6	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (PWD SR 2018-19 P.No: 16, I.No.: 4.32)								
	Columns -C1		10	1.00			4.95	49.45	
								49.45	492.48
		Sqm							
	Basic Rate	456.00							
	Add A W 8%	36.48							
	TOTAL	**492.48**							

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	SPECIFICATION	Unit	No	L	B	D	Quantity	Rate	Amount
	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per Specification. Specification No. KBS 4.6.2 (PWD SR 2018-19 P No: 16, I.No.: 4.30)								
	Roof slab ladies toilet		1	7.75	3.50		27.13		
	Gents toilet		1	5.60	4.00		22.40		
		Sqm					49.53	475.20	23535.00
	Basic Rate	440.00							
	Add A W 8%	35.20							
	TOTAL	**475.20**							
8	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 550 (PWD SR 2018-19 P.No: 18, I.No.: 4.46.3)								
	T.M.T steel for reinforcement (150Kg/Cum		1	18.60	150.00		2789.85		
		Tonne					2789.85		
	Basic Rate	87969.00		136			83780		
	Add A W 8%	7037.52		13.1			8378		
	TOTAL	**95006.52**					92158	95006.52	265054.00
9	KSRB 5-14.1 : Providing and constructing **load bearing wall with 400x200x150mm solid concrete blocks** having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4 (PWD SR 2018-19 P.No: 27, I.No.: 5.26.1)								
	Ladies Toilet all round		1	23.20			3.05	70.76	
	Gentoilet all round		1	15.20			3.05	46.36	
	Desuctions								
	Door		-2	0.90			2.10	-3.78	
	Ventilators		-4	1.80			0.60	-4.32	
		Sqm						**109.02**	1038.96	**113268.00**
	Basic Rate	962.00							
	Add A W 8%	76.96							
	TOTAL	**1038.96**							
10	KSRB 5-15: Providing and constructing non load bearing wall with solid concrete blocks of size 400x100x200mm having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572 2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4 (PWD SR 2018-19 P.No: 27, I.No.: 5.28)								
	PW-1		1	7.35			2.40	17.64	

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	SPECIFICATION	Unit	No	L	B	D	Quantity	Rate	Amount
	PW_2		1	5.20		2.40	12.48		
	PW_3		9	1.45		2.40	31.32		
	Desuctions D1		-9	0.75		2.10	-14.18		
		Sqm					47.27	875.88	41399.00
	Basic Rate	811.00							
	Add A W 8%	64.88							
	TOTAL	875.88							
11	KSRB15-3.2 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (PWD SR 2018-19 P.No: 115, I.No.: 15.10)								
	Celling Plastering								
	Roof slab ladies toilet		1	7.75	3.50		27.13		
	Gents toilet		1	5.60	4.00		22.40		
	In side plastering								
	Ladies toilet Allround		1	20.60		3.05	62.83		
	Gents toilet		1	17.60		3.05	53.68		
			9	5.30		2.40			
			1	6.60		2.40			
			1	5.20		2.40			
	Deductions Door	0.5	-2	0.90		2.10	-1.89		
	D1	0.5	-9	0.75		2.10	-7.09		
	Ventilators	0.5	-4	1.80		0.60	-2.16		
		Sqm					154.90	220.32	34128.00
	Basic Rate	204.00							
	Add A W 8%	16.32							
	TOTAL	220.32							
12	KSRB15-3.5 : Providing 15mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (PWD SR 2018-19 P.No: 115, I.No.: 15.13)								
	out side all round plastering		1	34.95		3.25	113.59		
	Deductions Door	0.5	-2	0.90		2.10	-1.89		
	Ventilators	0.5	-4	1.80		0.60	-2.16		
		Sqm					109.54	238.68	26145.00
	Basic Rate	221.00							
	Add A W 8%	17.68							
	TOTAL	238.68							
13	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM complete as per specifications. Specification No. KBS 7.12 (PW,P& IWTD SR 2018-19, Pg No 34, Item No. 7.9)								

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	SPECIFICATION	Unit	No	L	B	D	Quantity	Rate	Amount
	Ventilators		4	1.80		0.60	4.32		
				21 kgs/Sqm			90.72		
		Kgs					**90.72**	102.60	9308.00
	Basic Rate	95.00							
	Add A W 8%	7.60							
	TOTAL	**102.60**							
14	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic tiles 30cm x 60cm 6mm thick on a bed of 20mm thick (PW,P& IWTD SR 2018-19, Pg No 108, Item No. 14.36.4)								
	Toilet For Walls		9	1.25	1.45		16.31		
	corrider-1		1	5.20	2.00		10.40		
	corrider-		1	7.35	1.45		10.66		
		Sqm					**37.37**	1455.84	54405.00
	Basic Rate	1348.00							
	Add A W 8%	107.84							
	TOTAL	**1455.84**							
15	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 15x15 cms 6mm thick (PW,P& IWTD SR 2018-19, Pg No 108, Item No. 14.41.1)								
	Toilet For Walls		9	5.40		2.40	116.64		
	corrider-1		1	14.40		2.40	34.56		
	corrider-		1	17.60		2.40	42.24		
	Deductions								
	Door		-2	0.90		2.10	-3.78		
	D1		-9	0.75		2.10	-14.18		
		Sqm					**175.49**	1372.68	**240885.00**
	Basic Rate	1271.00							
	Add A W 8%	101.68							
	TOTAL	**1372.68**							
16	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer (PW,P& IWTD SR 2018-19, Pg No 119, Item No. 15.51.2)								
	Qty vide Plastering Items		1	264.44			264.44		
				Deduct Tiles Qty			-175.49		
		Sqm					**88.95**	97.20	8646.
	Basic Rate	90.00							
	Add A W 8%	7.20							
	TOTAL	**97.20**							

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	SPECIFICATION	Unit	No	L	B	D	Quantity	Rate	Amount
	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications.(For 1000 litre capacity) Specification No.KBS 13.22 (PW,P& IWTD SR 2018-19, Pg No 96, Item No.13.78)								
	Overhead tank 1000lts		1	1.00			1.00		
		Sqm					1.00	7374.24	7375.00
	Basic Rate	6828.00							
	Add A W 8%	546.24							
	TOTAL	7374.24							
17	Supplying and fixing pressed steel door frames size 125x65 mm manufactured from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and shutters made out of seasoned Honne wood, styles of 30 mm, thick with lock rail of 160 mm, width, top and side rails of 100 mm. width and bottom rails of 250 mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years. This shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting with enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc., complete. The Hollow portion of the frame to be filled with cement concrete 1:2:4.(PWD SR -2018-19 Page 42 & I. No 7.26)								
			2	0.90		2.10	3.78		
		Sqm					3.78	3466.80	13105.00
	Basic Rate	3210.00							
	Add A W 8%	256.80							
	TOTAL	3466.80							
8	KSRB 11-1 : Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 (PW,P& IWTD SR 2018-19, Pg No 79, Item No. 12.1)								
			9	1.00			9.00		
		Each					9.00	3786.48	34079.00
	Basic Rate	3506.00							
	Add A W 8%	280.48							
	TOTAL	3786.48							

Pg No 191 (14.0.10)

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	SPECIFICATION	Unit	No	L	B	D	Quantity	Rate	Amount
	KSRB 11-7.2 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm in the range of two 7.5 litre P.V.C with automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 (PW,P& IWTD SR 2018-19, Pg No 80, Item No. 12.8)								
		Each	7	1.00			7.00		
	Basic Rate	4165.00					**7.00**	4498.20	31488.00
	Add A W 8%	333.20							
	TOTAL	**4498.20**							
20	KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. (PW,P& IWTD SR 2018-19, Pg No 82, Item No. 12.23)								
		Each	2	2.00			4.00		
	Basic Rate	4007.00					**4.00**	4327.56	17311.00
	Add A W 8%	320.56							
	TOTAL	**4327.56**							
21	KSRB 11-15.3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. (PW,P& IWTD SR 2018-19, Pg No 84, Item No. 12.41)								
		No	2	2.00			4.00		
	Basic Rate	1136.00					**4.00**	1226.88	4908.00
	Add A W 8%	90.88							
	TOTAL	**1226.88**							
22	KSRB13-10.4 : Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure 32mm outside diameter chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.4 / 13.9 (PW,P& IWTD SR 2018-19, Pg No 96, Item No. 13.77)								
		mtr	1	50.00			50.00		
	Basic Rate	129.00					**50.00**	139.32	6966.00
	Add A W 8%	10.32							
	TOTAL	**139.32**							
23	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). - 10cms x 7.5cms (PW,P& IWTD SR 2018-19, Pg No 96, Item No. 13.77)								
			2	6.00			12.00		

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Sl No	SPECIFICATION	Unit	No	L	B	D	Quantity	Rate	Amount
									25000.00
	Basic Rate	No 250.00							
	Add A W 8%	20.00							
	TOTAL	**270.00**					**12.00**	270.00	**3240.00**
24	KSRB13-9.8 : Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure 140mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.2 / 13.9(PW,P& IWTD SR 2018-19, Pg No 96, Item No. 13.73.6)								
		Rmt	1	50.00			50.00		
	Basic Rate	741.00					**50.00**	800.28	**40014.00**
	Add A W 8%	59.28							
	TOTAL	**800.28**							
25	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) - 25mm nominal OD pipes (PW,P& IWTD SR 2018-19, Pg No 98, Item No. 13.85.3)								
		Rmt	1	20.00			20.00		
	Basic Rate	196.00					**20.00**	211.68	**4234.00**
	Add A W 8%	15.68							
	TOTAL	**211.68**							
26	KSRB13-6.1-2 : Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3 (PW,P& IWTD SR 2018-19, Pg No 98, Item No. 13.24)								
		Rmt	2	6.00			12.00		
	Basic Rate	173.00					**12.00**	186.84	**2243.00**
	Add A W 8%	13.84							
	TOTAL	**186.84**							
27	Supply and fixing of door frame made of hollow extruded PVC Section (Nandi or Equivalent) having dimension of 40x57mm with the wall thickness of 2mm+/-0.2mm duly reinforced with seasoned wood plank at the hinges side. The door frame top 2corners shall be metric cut/ welded.(PWD SR 2018-19 P.No: 61, I.No.: 9.88)								
		Rmt	9	6.00			54.00		
	Basic Rate	250.00					**54.00**	270.00	**14580.00**
	Add A W 8%	20.00							
	TOTAL	**270.00**							

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	SPECIFICATION	Unit	No	L	B	D	Quantity	Rate	Amount
	SOLID PANEL PVC DOOR SHUTTER Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19x19mm fro styles and 15x15mm for top & bottom rails, covered with heat moulded PVC channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75 m.m Aluminium hinges.(PW,P& IWTD SR								
		Rmt	9	2.10		0.90	17.01		
	Basic Rate	2777.00							
	Add A W 8%	222.16					17.01	2999.16	51016.00
	TOTAL	2999.16							
29	Geophysical Investigation of site for sinking Borewell for supplying drinking water to the habitation either through a hand pump, Mini Water Supply scheme, or Piped Water Supply Scheme by vertical electrical sounding by adopting venner or Schlumberger's method, including reconnaissance survey of geological formation, geophysical investigation of existing ground water in the vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation incluing an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc.,								
		BW	1				1.00	3768.00	3768.00
30	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc.,complete) (RDWS G.O. Dt. 02.05-2019 Adoc Rates) C-13 I. No. 13.01 For New Borewells(For								
a	0.00 to 50.00 mtr	Rmtr	1	290	319	50.00	50.00	347.00	17350.00
b	50.00to 100.00 mtr	Rmtr	1	364	400.4	50.00	50.00	442.00	22100.00
c	100.00to 150.00 mtr	Rmtr	1	387	425.4	50.00	50.00	456.00	22800.00
d	150.00to 200.00 mtr	Rmtr	1	449	493.9	50.00	50.00	536.00	26800.00
e	200.00to 250.00 mtr	Rmtr	1	527	579.7	50.00	50.00	634.00	31700.00
31	PVC Pipes 10kg/sqm 250mm outerdia(PWD SR 2018-19 XXXV/892 Code 3008)								
		Rmtr	15				15.00	2203.39	33051.00
32	Supply of ISI mark 175mm nominal bore,Plain end steel casing pipe -grade of steel FE-410 of Wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7mtrs .Both ends threaded confirming to IS 554/1985,one end fixed with socket confirming to IS 4270:2001 and the other end with screwed								
		Rmtr	1	40			40.00	1325.00	53000.00

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	SPECIFICATION	Unit	No	L	B	D	Quantity	Rate	Amount
34	Providing & Fixing 175 mm dia MS casing collers(PRED SR 2012-13 I/86)	No	1	1			1.00	150.00	150.00
35	Providing & Fixing 175 mm dia MS casing Cap(PRED SR 2012-13 I/85	No	1	1			1.00	100.00	100.00
36	Providing, supplying to work site,and fixing Submersible Pump Sets of 150mm dia suitable for bore well and confirming to IS 8034:3Phase, SS Bowl & Impeller with Low Volt motor as per specifications as per necessary ammendments and instructions of Engineer in charge of work.(RDWS SR Pg No.91 I No.12.02) a)SI No. 12.02.9 (f) – 17.5 HP/26 STG 4Nos for New Borewells & 1 for Additional	No	1	1			1.00	78348.00	78348.00
37	Supply and delivery of laying, jointing , testing and commissioning of G.I. Pipes conforming to IS 1239:1990 with latest amendments, including fixing Collars, Elbows, Tees, bends, Glad Cocks and other Fittings (Excluding Cost of Specials) with Cuts and Threads wherever necessary including conveying the materials to workspot, including testing for water tightness with all lead and lifts etc complete (Contractor shall make his own arrangements for procuring water for testing) Class-C -Heavy Duty 50mm	Rmtr	1	225			225.00	463.00	104175.00
38	Supply and fixing 50mm dia GI collar Heavy duty (PWD SR 2018-19 pg no. XLVII/2)	No	1	30			30.00	180.00	5400.00
38	Supplying and Drowing 3 core flat sheated submersible pump cable manufactured with celectrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts as per 1 x 3 x 4 Sqmm of 56 strands 0.3mm dia group A (PWD Electrical SR 2019-20 P-07/I . No 2.6.4	Rmtr	1	450			450.00	205.00	92250.00
39	Supply and fixing 50mm dia GI Union with ISI mark (PWP & IWTD B.C. 2016-17 = P. No. XXXIX)	No	1	1			1.00	223.70	224.00
40	Supply and fixing 50mm dia GI Nipple with ISI mark (PWP & IWTD B.C. 2016-17 = P.	No	1	3			3.00	104.30	313.00
41	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest amendments 50mm Dia (RDWS SR 2019-20Pg No.96 I No.12.06 (a))	No	1	1			1.00	1175.00	1175.00
42	Supplying and fixing 50mm dia GI Elbow with ISI mark. (PWD SR 2016-17 = P. No. XXXIX)	No	1	3			3.00	111.80	335.00
43	Supplying and delivery at site brand new star/Essen/Lotus/Sun-shines/Adarsh/ G.K.Controls Best Indigenous make combined energy meter-cum-control panel board unit minimum mechanically strong suitable for oparation on 3HP 50HZ 380/440 volts AC supply with spring loaded Latch locking Device with a key Ribbs should be provided. contron panal board unit suitable for operation on 3HP 50HZ 380/440 Volts AC shall be consists Etc. complete the panal board shall be fabricated in single unit in the above components panal board suitable pump set 10HP to 20 HP with stae Delta Starter Out Door Panel board Up to 20HP (PWD SR. 2018-19 = P. No. XLVII/13)	No	1	1			6.00	21000.00	126000.00

	SPECIFICATION	Unit	No	L	B	D	Quantity	Rate	Amount
44	Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges,tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer incharge of work. (RDWS SR Pg No 97 I No 12.16)	Job	1	1			1.00	5650.00	5650.00
45	Labour charges for erection of outdoor type panel board and meter board units with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions of engineer incharge of work. (RDWS SR Pg No 97 I No.12.18)	Job	1	1			1.00	1198.00	1198.00
46	Supplyng of TPST with rewireable porcelain channels in SM incloser 32 amps (Ele SR 2019-20 P-NO24/ I/NO 5.51)	No	1	1			1.00	1800.00	1800.00
47	Supplying and fixing polished wood board made of not less than 15mm thick planks on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs, screws etc.20"x20"x2.50"(Ele SR 20119-20 P-NO24/ I/5.6.6)	No	1	1			1.00	292.00	292.00
48	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 230/440V A.C.50 Hz 12/24v.D.C (Ele SR 2019-20 P-NO29/ I/NO 5.38)	No	1	1			1.00	430.00	430.00
49	Supplying fixing and wiring heavy duty low voltage capacitors confirming to IS 2834,3phase 400/440 volts grade for power factor improvement of rotating machinaries like induction motor 2KVAR (Ele SR 2019-20 P-NO29 / I/ No 5.37)	No	1	1			1.00	400.00	400.00
50	Supplying and fixing miniature circuit breakers on existing MCB, distribution boards using necessary fixing materials and c type curve,indicator ON/OFF,energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 6 to 32amps TPN (ELE- SR OF 2019-20 P-No- 27 I/No-5.17.7) (94, 8.17) 1890	No	1	1			1.00	1715.00	1715.00
51	Supplying and fixing wiring earth electrode for grounding conduits IC cutouts and other eqipments on the meter board using 40mm dia 2.90mm thick GI-pipe 2.5mtr long burried in a pit. The pit sollowed filled with equal proportions of salt and charcoal 150mm all -round the pipe to complete depth the connection from pipe to the conduit etc. is to be established through GI wire of size as per ISI specification 7.3.3 of IS 732 using 12mm dia bolts, nuts, washers, check nuts, etc., the pipes shall	No	1	1			1.00	2999.70	3000.00
52	Supplying and fixing of A class (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm dia (Ele SR OF 2019-20 P-No 41 I/6.9.1)	Rmtr	1	4			4.00	335.00	1340.00
53	Supplying of 1.1KV LT UG cable XPLE or heat resistant PVC Insulated PVC eatruded inner sheath armoured UG LT cable as per IS -1554(Part-1) or IS-7098 Part-1,Armouring strip thickness in average +5% and resistivity 14ohms/kms(max) as per IS -3975 (Ele SR 2019-20 P-No 40 I/No-6.4.4)	Rmtr	1	20			20.00	150.00	3000.00

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	SPECIFICATION	Unit	No	L	B	D	Quantity	Rate	Amount
	Digging of trench of 0.6 m deep x0.50 mtrs wide refilling the trench to the required ground level and consolidating etc complete (As per Civil SR KSRB I-2,P-7)cutting road surface in hard soil (Ele SR OF 2019-20 P-No41 I/No-6.6.2)								
		Rmtr	1	20			20.00	102.00	2040.00
	labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stone pipe / on wall/ on pole as required 6 sqmm to 16 sqmm. (Ele SR OF 2019-20 P-No 41 I/No-6.5.1)								
		Rmtr	1	20			20.00	11.88	238.00
56	Supplying and fixing LT cast iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, Bolts, nuts & washers etc 16 sqmm (Ele SR 2019-20 P-No42 I/No-6.10.2)								
		No	1	3			3.00	270.00	810.00
57	Supplying and fixing of porcelain fuse channel with cutout on existing wooden /pannel using necessary nuts, bolts and washers 32amps (Electrical SR 2019-20 P-No24/I/No5.7.2)								
		No	1	3			3.00	174.00	522.00
58	Earthwork excavation for pipeline trenches including depositing on bank upto a lead of 50 mtrs and depth up to 2.00 mtrs. Including shoring and strutting, danger lighting and using sight rails and boning rods at every 100 mtrs. Wherever necessary as directed in the following strata. (Manual Means) In Ordinary Soil (RDWS SR 2019-20 Pg No.07 I No.2.22.1)								
		Cum	1	35	0.45	0.60	9.45	262.00	2476.00
59	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete.(RDWS SR Pg No.62 I No.10.01) a) 63mm dia 6kg/cm2 (RDWS SR 2019-20 Pg No.62 I No.10.01.2(a)								
		Rmtr	1	35			35.00	155.00	5425.00
60	Refilling the basement and pipeline trenches with selected available earth from trench excavation including watering, Consolidation in layers of 15 cm thick including disposing of the surplus earth with all lead & lifts. (Compacting with vibro roller) (RDWS SR 2019-20Pg No.08 I No.2.25)								
		Cum					9.45	103.00	973.00
61	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments (RDWS SR 2019-20 Pg No.95 I No.12.05)a) 50mm Dia								
		each	1				1.00	1190.00	1190.00
		each	1				1.00	13000.00	13000.00
62	Bescom charges								

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	SPECIFICATION	Unit	No	L	B	D	Quantity	Rate	Amount
5.3	ELETRIFICATION (COUNDUTING & WIRING) FOR TOILETS								
								Sub TOTAL	25000.00
								GST 12%	2136674.00
								Add Tender Primium charges @ 5%	256400.88
								Micelleneous and rounding off	106833.70
								Grand TOTAL	91.42
									2500000.00

ದೃಢೀಕರಣ

1. ಸದರಿ ಅಂದಾಜು ಪಟ್ಟಿಯಲ್ಲಿ ಪ್ರಸ್ತಾಪಿಸಿರುವ ರಸ್ತೆಗಳ ಅಭಿವೃದ್ಧಿ ಈ ಹಿಂದೆ ಯಾವುದೇ ಅನುದಾನದಲ್ಲಿ ಪ್ರಸ್ತಾಪಿಸಿರುವುದಿಲ್ಲ. ಹಾಗೂ ಪುನರಾವರ್ತನೆಯಾಗಿರುವುದಿಲ್ಲ ಎಂದು ದೃಢೀಕರಿಸಿದೆ.
2. ಸದರಿ ಪ್ರಸ್ತಾಪಿಸಿರುವ ರಸ್ತೆಗಳು DLP ಅವಧಿಯಲ್ಲಿರುವ ರಸ್ತೆಗಳಲ್ಲಿ ಸೇರಿರುವುದಿಲ್ಲ.
3. ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ಪಿ.ಡಬ್ಲ್ಯೂ.ಡಿ ಎಸ್.ಆರ್–2018–19ನೇ ಸಾಲಿನ ದರಗಳನ್ವಯ ತಯಾರಿಸಲಾಗಿದೆ ಹಾಗೂ Approved Data Rate ಅನ್ವಯ ತಯಾರಿಸಲಾಗಿದೆ.
4. ಸದರಿ ಕಾಮಗಾರಿಯಲ್ಲಿ ಪ್ರಸ್ತಾಪಿಸಿರುವ ರಸ್ತೆಗಳ ಅಭಿವೃದ್ಧಿಯು ತುಂಬಾ ಅವಶ್ಯಕವಾಗಿರುತ್ತದೆ.
5. ಎಲ್ಲಾ ರಸ್ತೆಗಳು ಬಿಬಿಎಂಪಿಯ ಸರಹದ್ದಿನಲ್ಲಿರುತ್ತದೆ.

Assistant Engineer
Ward No 13

Assistant Executive Engineer
Shetty Halli Sub Division

Executive Engineer
Dasarahalli Division

ADMINISTRATIVELY SANCTIONED FOR
(Rupees Twenty Five lakhs
Under the Head of Account P-3391
Construction of Ladies Toilet
in BBMP office
Registered as no EE(D.D.)/AS.132/21-22 Subject
to conditions contained in Enclosed Memo
No EE/DD/AS/132/21-22 Dt. 13.01.22
Exe. Eng
(DASARAHALLI) BBMP
AE.

Technically Sanctione for Rs. 25.00 Lakh.
Rs. In words Rs. Twenty Five
lakhs only
Under 12-3391
Jnp Code No. 013-19-000.036
Registered as CE No. 56/21-22 Subject
to conditions contained in Enclosed memo
No. CE/D2/TS/56/21-22 Dt. 14/01/2022
AE/JE. TA CE(D)

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